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INFORMATION REPORT

PREPARED AND DISSEMINATED BY**CENTRAL INTELLIGENCE AGENCY****COUNTRY****Hungary****SUBJECT****MOM (Magyar Optikai Művek) - Hungarian Optical Works**

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1. the Hungarian Optical Works in Budapest. MOM occupied four brick constructed buildings. Each building was 330 by 45 feet and was four stories high. MOM occupied an area of 150 thousand square feet.
2. One building contained a combination heavy and small machine shop. The second had a metal grinding, optical grinding and polishing (for spherical and plain surfaces) shop. The third contained a special checking and machine parts shop. The fourth building contained an assembly line, a checking shop, laboratory and administration offices.
3. As of 1948 the MOM-Hungarian Optical Works employed four thousand persons. They had two shifts. There were from 20 hundred to three thousand employees on the morning shift and of this total there were 13 hundred women. There were from eight hundred to one thousand employees on the second shift, of which none were women.
4. MOM had its own school where it trained employees to work with precision instruments. Only male students were allowed to attend this school. It was necessary to have a high school education with good grades.
5. Students attended this school for four years. MOM supplied the teachers and all the equipment. Mornings the students were given the theory of optical instruments, methods of operating lathes and various precision machines. In the afternoon they put the theory into practice.
6. As of 1948, MOM-Hungarian Optical Works produced the following items:
- a) Optic and optical instruments
 - b) Eye glasses
 - c) Binoculars (spy glasses)
 - d) Geodetic instruments
 - e) Clocks and parts for clocks
 - f) Gages, dies and tools for high precision work
 - g) Small machine tools
 - h) Microscopes
 - i) Compasses
 - j) Hygrometers and barometers

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7. As of 1948 MOM made the following items for the Army:

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- a) Field glasses
- b) Tele-(distance) meter. The base of the tele-meter was one by four meters.
- c) Artillery and antiaircraft equipment for field artillery and antiaircraft units. Equipment consisted of 50 to 50 different parts.
- d) Performed research work on guided missiles and torpedoes. They also manufactured various mechanical parts for these weapons.

8. As of 1948 MOM-Hungarian Optical Works had the following type machines:

- a) Boring (drilling) machines. The size of the drills were from 0.1 to 45 millimeters. There were a total of 100 boring machines.
- b) Various engine lathes, turret lathes and automatic turret lathes. The size of the lathes were from 1/4 to two inches and from 20 to 60 inches in length. There were approximately 800 of these machines.

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- (1) Automatic turret lathes
- (2) Turret lathes
- (3) Precision lathes
- (4) Optical turret lathes
- (5) Some high precision lathes

- c) Automatic drills and screw machines, size 1/4, a total of 40.
- d) Milling machines (1) Vertical - (2) Horizontal - (3) Universal. The small vertical, horizontal, and universal milling machines totaled 150. The heavy milling machines totaled 20.
- e) Special teeth milling machines. From one to four module, a total of 16 machines. Under one module, a total of 40.
- f) Grinding (vertical) machines:

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- (1) For circular grinding, a total of 20 machines.
- (2) For plain grinding, a total of 10 machines.
- (3) For screw grinding, a total of two machines.
- (4) For automatic screw grinding, a total of four machines.
- g) Subdividers to measure plain length. a total of two.
- h) Subdividers to measure circular length or diameter - total of two.
- i) Pantographs for optics.
- j) Laboratory and microscopes to test and check metal and gauges.
- k) Optical grinding and polishing machines, a total of 300 spindles.
- l) Special equipment, oscillographs and various apparatus for checking and testing electrical parts.

9. Until 1938 the MOM-Hungarian Optical Works had been the SZEGED Ltd.

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